

WHAT IS CLAIMED IS:

1 1. A program for enabling a computer to perform a
2 process for reading and outputting printing data, which
3 controls a printer, wherein said program enables the
4 computer to implement:

5 a process for dividing printing data, which controls
6 printing of the printer, into plural fragments of data,
7 adding information for discriminating the fragments of data
8 to the respective fragments of data, and recording them as
9 a plurality of files;

10 a process for creating data, which include information
11 for specifying said file, and recording it as a print
12 spooling file separately from said file;

13 a process for reading said print spooling file to refer
14 to said information for specifying the file;

15 a process for reading the specified file to output
16 printing data included in said file; and

17 a process for deleting a file including outputted
18 printing data.

1 2. A program for enabling a computer to perform a
2 printing process, wherein said program enables the computer

3 to implement:

4 a process for creating printing data, which controls
5 a printer, in accordance with a printing instruction;

6 a process for determining whether or not a print
7 processor capable of using in the computer can control
8 transfer to a printer in accordance with printing data
9 created by the computer;

10 a process for dividing the created printing data into
11 plural fragments of data and adding information for
12 discriminating the fragments of data to the respective
13 fragments of data so as to record them as a plurality of
14 files when it is determined that the print processor can
15 control transfer to the printer in accordance with printing
16 data created by the computer; and

17 a process for creating data, which includes
18 information for specifying said file, separately from said
19 files.

1 3. The program according to Claim 2, wherein said data,
2 which includes information for specifying the file,
3 includes information indicating that the data is created
4 by the process according to said program.

1 4. The program according to Claim 2, wherein said
2 program enables the computer further to implement:

3 a process for enabling to receive an instruction of
4 plural sets of printing; and

5 a process for making said data, which include
6 information for specifying the file, include information
7 concerning the instruction of plural sets of printing, when
8 said instruction of plural sets of printing is received.

1 5. A method of a printing process in a computer which
2 creates printing data, comprising:

3 a step of receiving a printing instruction;

4 a step of determining whether or not a print processor
5 capable of using in the computer can control transfer to
6 a printer in accordance with printing data created by the
7 computer;

8 a step of dividing the created printing data into
9 plural fragments of data and adding information for
10 discriminating the fragments of data to the respective
11 fragments of data so as to record them as a plurality of
12 files when it is determined that the print processor can
13 control transfer to the printer in accordance with printing
14 data created by the computer; and

15 a step of creating data, which include information for
16 specifying said file, separately from said files.

1 6. A computer receiving a printing instruction to

2 create printing data for controlling a printer, comprising:

3 means for dividing the created printing data into
4 plural fragments of data and adding information for
5 discriminating the fragments of data to the respective
6 fragments of data so as to record them as a plurality of
7 files; and

8 means for creating data, which include information for
9 specifying said file, separately from said files.

1 7. A program for enabling a computer to perform a
2 process for reading and outputting printing data, which
3 controls a printer, wherein said program enables the
4 computer to implement:

5 a determining process for determining whether or not
6 a print spooling file includes information for specifying
7 one file among plural files which includes printing data;

8 a process for reading said print spooling file to refer
9 to information for specifying said file when it is
10 determined that the print spooling file includes the
11 information for specifying a file;

12 a process for reading the specified file to output
13 printing data included in the file; and

14 a process for deleting a file including the outputted
15 printing data.

1 8. The program according to Claim 7, wherein said
2 program enables the computer further to implement:

3 a process for determining whether or not the print
4 spooling file includes information concerning an
5 instruction of plural sets of printing;

6 a process for reading the specified file to create and
7 record a file comprising printing data in a unit of page
8 instead of a process for reading the specified file
9 to output printing data included in the file when it is
10 determined that the print spooling file includes
11 information concerning an instruction of plural sets of
12 printing; and

13 a process for referring to said file comprising
14 printing data in a unit of page in accordance with an
15 instruction of plural sets of printing to output the
16 printing data in a unit of page plural times.

1 9. A method of transferring printing data in a computer,
2 comprising:

3 a step of determining whether or not the print spooling
4 file includes information for specifying one file among
5 plural files which include printing data;

6 a step of reading the print spooling file to refer to
7 the information for specifying the file when it is
8 determined that said print spooling file includes the

9 information for specifying said file;
10 a step of reading the specified file to output printing
11 data included in the file; and
12 a step of deleting the file including the outputted
13 printing data.

1 10. A computer outputting printing data to a printer,
2 comprising:

3 means for reading the print spooling file, which
4 includes information for specifying one file among plural
5 files which include printing data;

6 means for referring to information for specifying said
7 file;

8 means for reading the specified data to output
9 printing data included in the file; and

10 means for deleting the file including the outputted
11 printing data.

1 11. A program for enabling a computer to perform a
2 printing process, wherein said program enables the computer
3 to implement:

4 a process for creating printing data, which controls
5 a printer, in accordance with a printing instruction from
6 a computer operator;

7 a process for determining whether or not a print

8 processor capable of using in the computer can control
9 transfer to a printer in accordance with printing data
10 created by the computer;

11 a process for creating a file recording a command for
12 controlling the printer when it is determined that the print
13 processor can control transfer to the printer in accordance
14 with printing data created by the computer; and

15 a process for creating data, which include information
16 for specifying said file, separately from said file.

1 12. The program according to Claim 11, wherein
2 said command for controlling the printer includes a
3 cancellation command for stopping printing.

1 13. A computer creating printing data, which controls
2 a printer, in accordance with a printing instruction from
3 a computer operator, comprising:

4 means for creating a file, into which a command for
5 controlling the printer is recorded; and

6 means for creating data, which include information for
7 specifying said file, separately from said file.

1 14. A program for enabling a computer to perform a
2 process for reading and outputting printing data
3 controlling a printer, wherein said program comprising:

4 a process for reading a print spooling file, which
 5 includes information for specifying one file among plural
 6 files which include printing data, and information for
 7 specifying a file into which a command for controlling the
 8 printer is recorded, and controlling transfer to the
 9 printer;

10 a process for reading a file including the printing
 11 data (a first file), which is specified by said print
 12 spooling file, to output the printing data;

13 a process for determining during the reading of said
 14 first file whether a file, which is specified by said print
 15 spooling file and into which a command for controlling a
 16 printer is recorded, (a second file) has been updated or
 17 not; and

18 a process for reading said second file when it is
 19 determined that said second file has been updated to output
 20 a command for controlling the printer.

1 15. The program according to Claim 14, wherein
 2 said command for controlling the printer includes a
 3 cancellation command for stopping printing.

1 16. A computer for outputting printing data to a
 2 printer, comprising:

3 means for creating a file, into which a command for

4 controlling the printer is recorded;

5 means for creating a file including printing data;

6 means for reading said file including printing data
7 to output the printing data;

8 means for determining during the reading of said file
9 including the printing data whether said file, into which
10 a command for controlling the printer is recorded, has been
11 updated or not; and

12 means for reading said file, into which a command for
13 controlling the printer is recorded, when it is determined
14 that said file, into which a command for controlling the
15 printer is recorded, has been updated, to output the command
16 for controlling the printer.

1 17. A storing medium readable for a computer, into
2 which the program according to any one of Claims 1, 2, 3,
3 4, 7, 8, 11, 12, 14 and 15 is recorded.